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GPR52 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19491b

Product Information

Application	WB, E
Primary Accession	Q9Y2T5
Other Accession	P0C5J4, A6QLE7, NP_005675.3
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40646
Calculated MW	41354
Antigen Region	218-245

Additional Information

Gene ID	9293
Other Names	Probable G-protein coupled receptor 52, GPR52
Target/Specificity	This GPR52 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-245 amino acids from the C-terminal region of human GPR52.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GPR52 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR52 {ECO:0000303|PubMed:9931487, ECO:0000312|HGNC:HGNC:4508}
Function	Gs-coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and its internalization (PubMed:24587241). May play a role in locomotor activity through modulation of dopamine, NMDA and

ADORA2A-induced locomotor activity. These behavioral changes are accompanied by modulation of the dopamine receptor signaling pathway in striatum (PubMed:24587241). Modulates HTT level via cAMP-dependent but PKA independent mechanisms throught activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed:25738228).

Cellular Location Cell membrane; Multi-pass membrane protein.

Tissue Location Expressed in brain, especially in striatum.

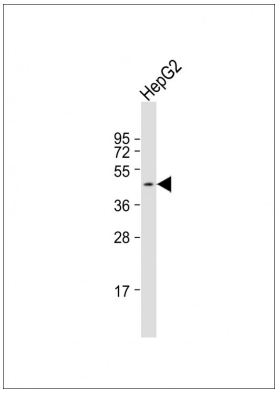
Background

Members of the G protein-coupled receptor (GPR) family play important roles in signal transduction from the external environment to the inside of the cell.

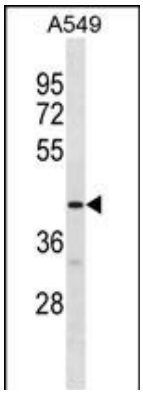
References

Sawzdargo, M., et al. Brain Res. Mol. Brain Res. 64(2):193-198(1999)

Images



Anti-GPR52 Antibody (C-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GPR52 Antibody (C-term) (Cat. #AP19491b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GPR52 antibody detected the GPR52 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.